3000

OUT 67592

1969 MAY 2 21 29 Z

S E C R E T 022102Z MAY 69 CITE 6232	DISTRIBU25X1.
	CY OFFI 25X1;
REF: DIAXX-2 7547 APR 1969	FILE
LUBJECT: LOW GAMMA PROCESSING OF GLASS LAMP MATERIAL	CABLE SEC.
1. A DETAILED IMAGE QUALITY COMPARISON OF MISSION MATERIALS	PP&B/RD
PROCESSED IN MX578 WITH THAT PROCESSED IN LOW GAMMA CHEMISTRY IS	
NOT PRACTICAL. THE MINOR QUALITY DIFFERENCES ASSOCIATED WITH	3 TSSO AGO
PROCESSING CANNOT BE SEPARATED FROM THOSE DIFFERENCES ASSOCIATED	THISD L
WITH DEGRADING FACTORS SUCH AS ATMOSPHERICS. CAMERA PERFORMANCE	P\$0/00
VARIABLES. ETC. THE FOLLOWING GENERAL STATEMENTS. HOWEVER, CAN	RRD
BE MADE.	I JEPRO +
A. MOST MISSIONS FLOWN IN THIS PROGRAM ARE OVEREXPOSED	AID
NEAR THE END OF THE MISSION. THE CONSEQUENCES OF OVEREXPOSURE	TEC I
ARE MINIMIZED BY THE USE OF LOW GAMMA CHEMISTRY.	FROD
B. A DISTINCT LOSS OF CONTRAST IS APPARENT IN THE	SCIEN
MATERIALS PROCESSED IN LOW GAMMA CHEMISTRY COMPARED TO THOSE	WEST
PROCESSED IN MX578. THIS LOSS OF CONTRAST MAKES TARGET	EAST
DETECTION MUCH MORE DIFFICULT DURING MISSION SCANNING. IN	M&S
ADDITION, OBJECT IDENTIFICATION BY MEANS OF SHADOW FORM IS	PGM
MORE DIFFICULT ON LOW CONTRAST POSITIVES.	IAS
	DIA-XX4
	SPAD
	7
	25X1
	CMX OFV1
PAGE 2 6232 S E C R E T	25X1
C. WHEN HAZE CONDITIONS PREVAIL. A GREATER LOSS OF DETAIL!	
IS APPARENT IN THE MATERIALS PROCESSED WITH LOW GAMMA CHEMISTRY	
THAN IN THE PRODUCTS PROCESSED IN MX578.	DVANCE CY
2. FROM PARAGRAPHS B AND C ABOVE IT WOULD APPEAR THAT LOW GAP	ANATIZED
PROCESSING HAS A DEGRADING EFFECT ON THE EXPLOITATION OF GLASS E	
MISSION MATERIAL. TO SUBSTANTIATE THESE FINDINGS IT IS RECOMMEN	DED
THAT THE NEXT OPERATONAL GLASS LAMP MISSION BE PROCESSED IN BOTH	
CHEMISTRIES, I.E., THE RIGHT SIDE IN MX578 AND THE LEFT SIDE IN	
MX819, FOR COMPARÍSON PURPOSES. IF THIS CANNOT BE ACCOMPLISHED	
THEN THE FOLLOWING ALTERNATIVES ARE SUGGESTED.	
A. A POSSIBLE ADJUSTMENT IN PROCESSING OF THE POSITIVE	
TO PROVIDE HIGHER CONTRAST.	CCINO



B. REVERT TO MX578 CHEMISTRY FOR GLASS LAMP NEGATIVE PROCESSING.

END OFMSG

SECRET

Eneur 1 Edelocid Gen catematic Levis Godies and Calcons 1800